



Atty. Docket No.: 25436/2155 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Hogrefe, et al.	Examiner:	R.G. Hutson
Serial No.:	10/079,241		
Filed:	February 20, 2002	Group Art Unit:	1652
Entitled:	HIGH FIDELITY DNA POLYMERASE COMPOSITIONS AND USES THEREFOR	Conf. No.:	7186

**CERTIFICATE OF MAILING UNDER 37 CFR 1.10**

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, **Express Mail Label No. EV 242756374 US** on this date, **September 2, 2004**, postage prepaid, in an envelope addressed to Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Kathleen M. Williams

Name of Person Mailing Paper

Signature of Person Mailing Paper

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE AND AMENDMENT AFTER FINAL REJECTION UNDER 37 C.F.R. 1.116**

Sir:

This Response and Amendment After Final Rejection is being filed in response to the Final Office Action mailed from the U.S. Patent and Trademark Office on April 13, 2004, in the above-identified application.

**Amendments to the Specification** begins on page 3 of this paper.

**Amendments to the Claims** are shown in the "Listing of the Claims" which begins on page 10 of this paper.

**Remarks** begin on page 24 of this paper.

**Conclusion** begins on page 36 of this paper.

**A revised sequence listing** (both paper and computer readable copies) are submitted herewith to reflect the incorporation of JDF-3 DNA polymerase sequences into the specification.

Applicants respectfully request entry of the amendments, remarks and the sequence listing.